

Idaho Cleanup Project-II

Congressional Nuclear Cleanup Caucus



Tom Dieter

President and CEO

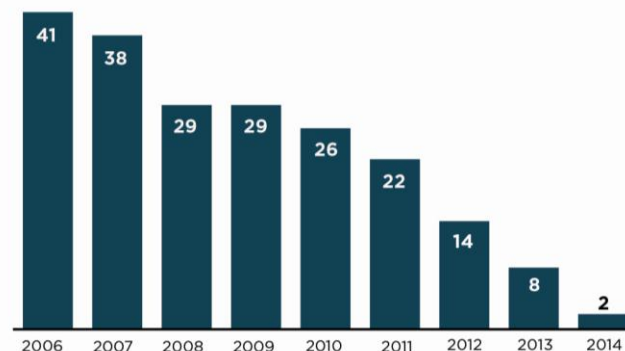
CH2M-WG Idaho (CWI)

April 30, 2014

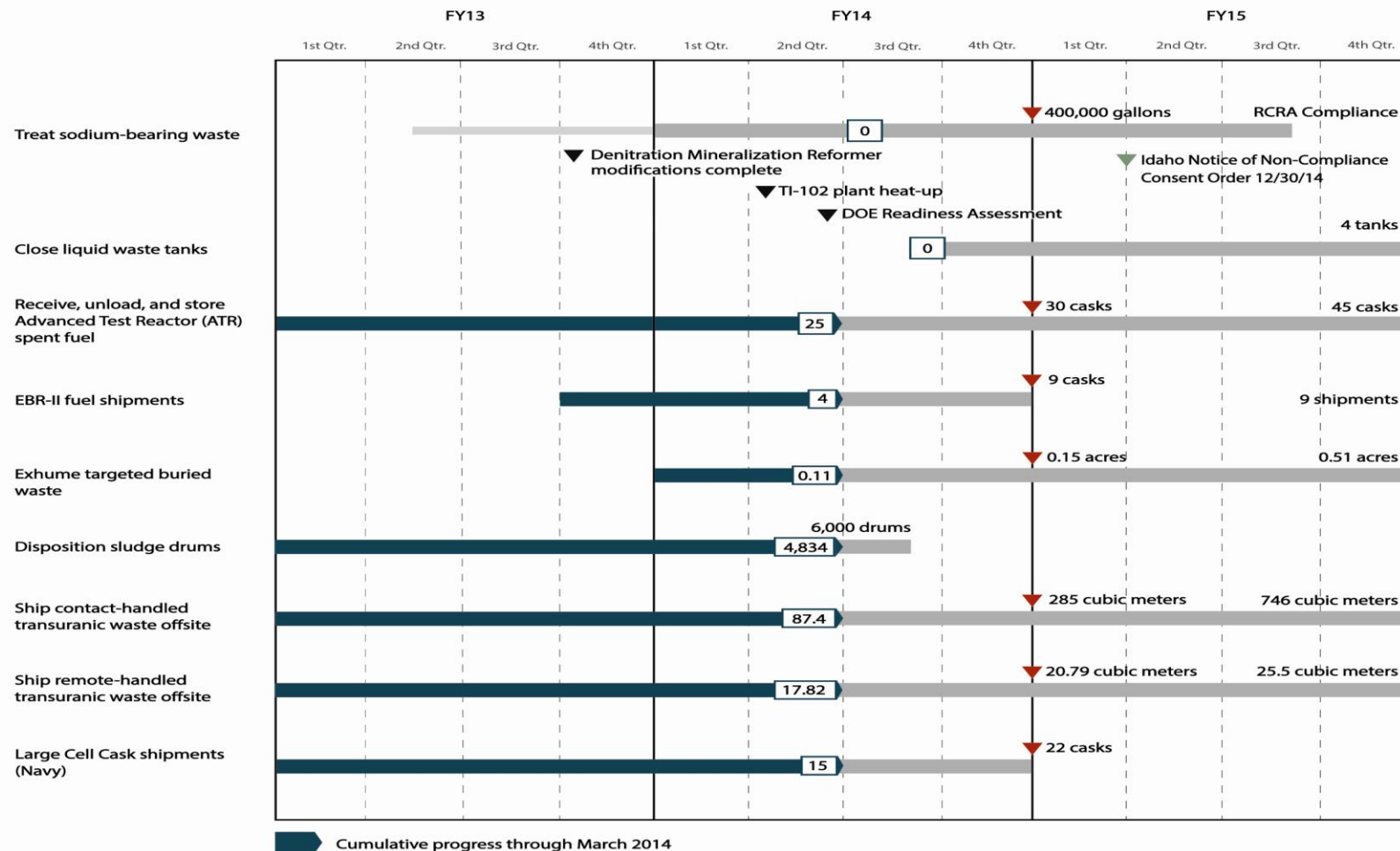
ICP-II Scope

- Period of Performance
 - October 2012 – September 2015
- Safety
 - Reduced recordable injuries by more than 70 percent since ICP-I inception
- Scope
 - Treat sodium-bearing waste
 - Close four liquid waste tanks
 - Receive 45 casks of Advanced Test Reactor fuel
 - Provide nine shipments of EBR-II fuel to MFC
 - Exhume targeted buried waste from 0.51 acres
 - Disposition 6,000 sludge drums
 - Ship 746 cubic meters of contact-handled transuranic waste offsite
 - Ship 25.5 cubic meters of remote-handled transuranic waste offsite
 - Complete 22 shipments to Navy in support of their wet to dry fuel campaigns

RECORDABLE INJURIES BY YEAR



Target ICP-II Status



Sodium-bearing Waste Treatment

- Completed Contractor Readiness Assessment
- Completed DOE Readiness Assessment
- Heated plant in accordance with Test Instruction (TI) 102 to normal operating temperature and pressure
- Loaded stainless steel canisters with bauxite and fly ash to simulate the packaging of sodium-bearing waste
- A planned outage is currently under way to complete modifications found during TI-102 testing, to inspect equipment, check filters, and validate operating and emergency procedures.



Canister loading station

Soil and Groundwater Remediation

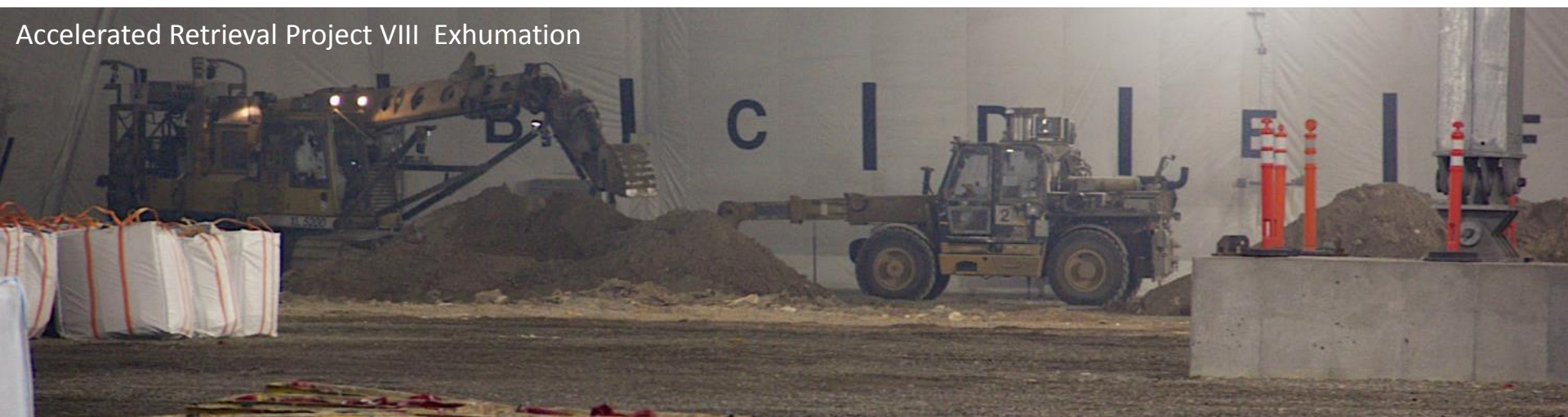
Buried Waste Exhumation

- Using cost efficiencies to resume targeted buried waste exhumations six months earlier than planned
 - 0.11 acres exhumed under ICP-II contract

Sludge Drum Repack

- Continuing sludge drum treatment in RCRA-permitted ARP V structure (more than 4,834 of 6,000 drums opened/treated)

Accelerated Retrieval Project VIII Exhumation

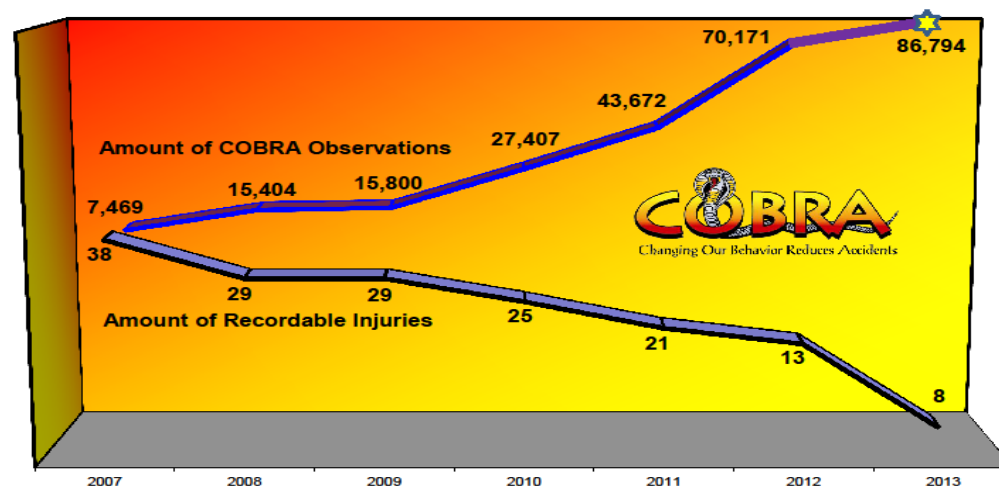


Safety Excellence

- DOE's lead safety assessor recently recommended that CWI continue as a VPP Star Site
- 2,732 high-contamination, high-radiation, and airborne entries and 4,845 contamination and radiation entries without an ORPS-reportable radiological incident

Worker Involvement leads to stellar safety culture:
As seen in the chart below, recordable injuries decline commensurate with an increase in COBRA observations.

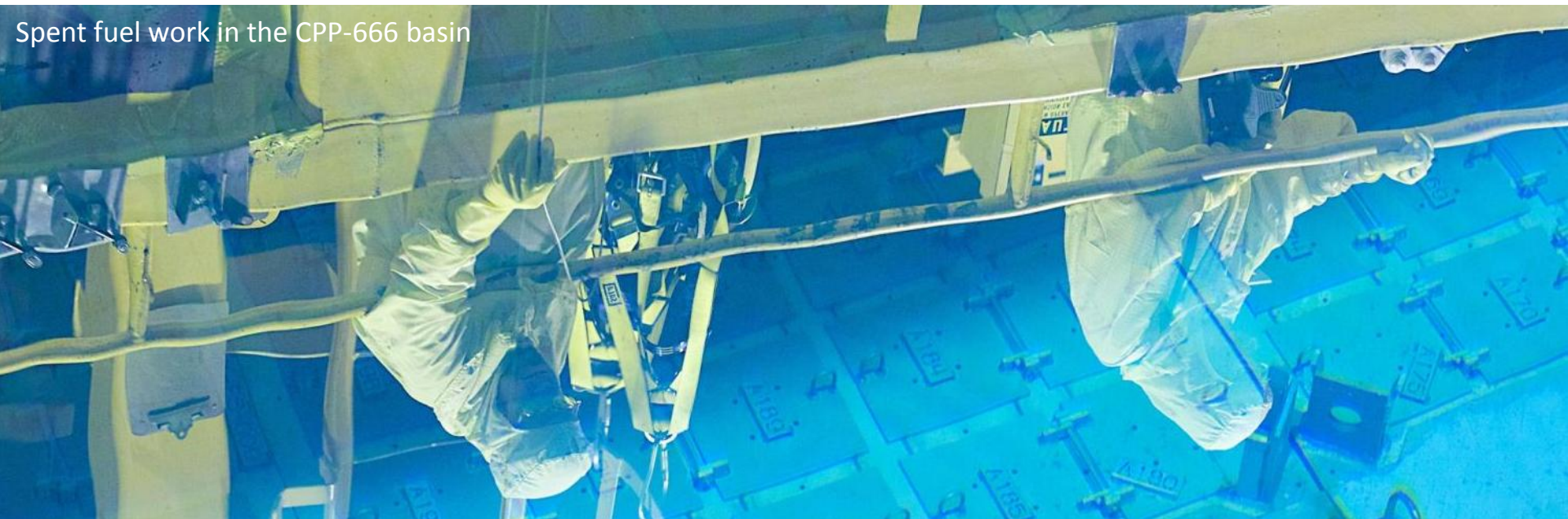
**ICP COBRA OBSERVATIONS VERSUS RECORDABLE INJURIES
2007 - 2013**



Spent Nuclear Fuel Programs

- Eleven cask shipments of SNF received from the Advanced Test Reactor (ATR) to date in FY-14; four shipments remaining
- One Experimental Breeder Reactor (EBR) II shipment made to the Materials and Fuels Complex to date in FY-14; five shipments remaining

Spent fuel work in the CPP-666 basin



Waste Management

- Disposed off site of 47.3 cubic meters of low-level waste/mixed low-level waste
- Completed transport of 37 of 37 suspect remote-handled TRU waste containers from the Advanced Mixed Waste Treatment Project to INTEC
- Completed installation of all sodium distillation equipment to address reactive nature of sodium
 - Startup approval of the sodium distillation system anticipated in early June



Sodium distillation equipment is installed

Deactivation and Decommissioning

Activities in Materials and Fuels Complex (MFC)

- Completed MFC-766 evaporator treatment mock-up assembly testing
- Completed RCRA closure of MFC-799/-799A
- Completed removal of the balance of sodium- contaminated piping from MFC-766
- Complete preparations to treat remaining sodium in the EBR-II facility complex



Pipe cutting at MFC in preparation for sodium treatment

Small Business/Subcontracting

The mission of CWI's Small Business Program is to promote, develop and maximize opportunities for small business firms to compete for subcontracts in support of the Idaho Cleanup Project.

- Aggressive small business socioeconomic subcontracting goals have been established
- Exceeding goals in each category including disadvantaged, 8(a), HUBZone, Woman-owned, veteran-owned and disabled veteran-owned
- Total subcontracting dollars awarded under ICP-II: \$96,524,896
 - \$45,490,408 to Small Business
- Cumulative subcontracting dollars awarded since 2005: \$1,014,486,423
 - \$659,338,371 to Small Business (65% actual performance, exceeding goal of 45%)

Summary

- Continuing to work safely and efficiently
- Continuing to reduce EM's legacy wastes and structures
- Nearing treatment of sodium-bearing waste
- Providing value to the taxpayer by completing work on schedule and under budget
 - Reinvesting savings into additional work
- Protecting the Snake River Plain Aquifer